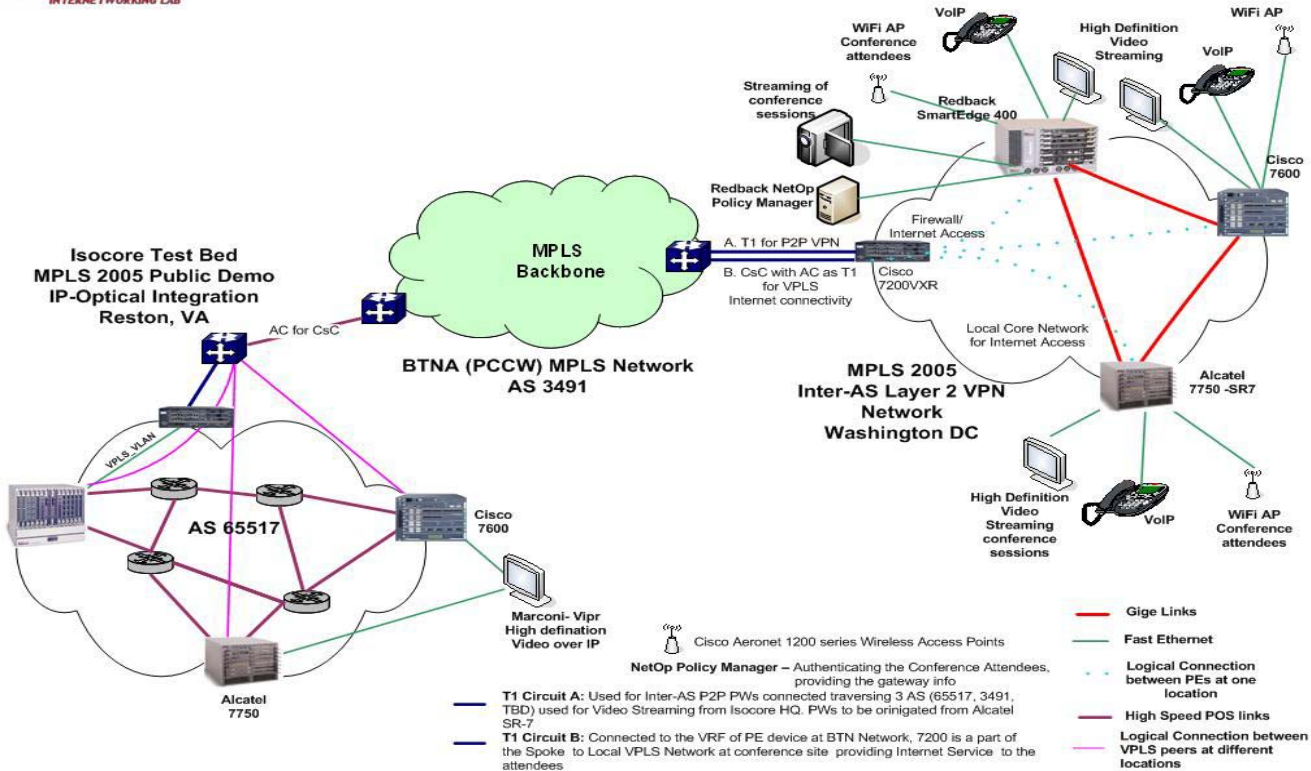# Broadband Ethernet/ 3Play Services across VPLS/P2P PWs
MPLS 2005 International Conference October 16-19 Washington, DC

MPLS 2005 showcases a live production Ethernet/Triple Play services across Inter-AS VPN based on VPLS and PWs. Conference attendees can experience it by using various end user applications such as Internet access, video streaming etc. Users will be asked to authenticate themselves before accessing this high speed Proof-of-Concept Network. The end user experience is deployed using subscriber aware services. The conference site at Washington DC is connected to Isocore Internet Lab in Reston, VA using BTNAccess's carrier-grade, International MPLS backbone. BTNAccess is a subsidiary of PCCW. The connections from the conference site to BTNAccess MPLS backbone is using two parallel high speed broadband links thus providing end-to-end MPLS transport between Isocore Lab and the conference site. The MPLS transport will traverse three subnets and will be part of the VRF. The network is capable of streaming live video streaming of the test bed for the MPLS 2005 Public Demonstration, planned for October 20, at Isocore Internetworking lab. Live conference sessions will be streamed across the exhibit halls using very high resolution video streams. Representative from MPLS 2005 sponsoring companies will be able to watch the streaming sessions in the exhibit halls.

The topology at the conference site is realized by using Alcatel 7750-SR7, Cisco Systems 7600 and Redback Smart Edge 400 platform. The Proof-of-Concept topology demonstrats Ethernet Aggregation services across a true IP/MPLS network. The live support of streaming 3 play services demonstrates the capabilities of the emerging technologies and devices to handle real time traffic while maintaining the security and preventing fraudulent access to a provider access point. All subscribers will be connected to this state-of-the-art network by using Cisco Aironet 1200 series wireless access points, authenticated and controlled by SmartEdge service gateway and NetOp Policy Manager. The high definition video conferencing equipment is provided by Marconi ViPr (Virtual Presence). The Broadband Ethernet/3Play across Inter-AS L2 VPN network demonstration showcases the readiness of the merging technologies. The PE devices at the hotel will be peering to the BTNAccess's point of presence in Washington D.C
The MPLS 2005 network will demonstrate how service providers and large enterprise customers can provide multiple QoS mechanisms with MPLS based services for well defined level of services.